

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of  
Ronald S. Cok, et al

ORGANIC LASER AND LIQUID  
CRYSTAL DISPLAY

Serial No.

Filed

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA. 22313-1450

Group Art Unit:

Examiner:

Express Mail Label No. EV 293509743US

Date September 23, 2003

Sir:

**INFORMATION DISCLOSURE STATEMENT FOR CONSIDERATION**  
**BY THE OFFICE UNDER 37 C.F.R. 1.97-1.99**

Enclosed herewith are patents and/or publications for consideration by the Patent and Trademark Office in regard to the invention claimed in the above-described application. In compliance with §1.56, such documents are listed in the enclosed Form PTO-1449.

Applicants request that the Patent and Trademark Office make of record the above-identified documents. a full text copy of each document is attached, except for copies of U.S. patents and U.S. patent application publications. For documents not in English, an English translation or an equivalent English language patent or publication may be attached. Where a translation is not available, a concise explanation of the relevance of each document not in English is included either here or in the specification.

This Information Disclosure Statement (hereinafter "Statement") is submitted according to the following selected paragraph:

- I. ☒ This Statement is being filed under §1.97(b) within three months of the filing date of the application (other than a CPA), or before the mailing of a first Office action on the merits or before the mailing of a first Office action after the filing of a request for continued examination.
- II. ☐ This Statement is being filed under §1.97(c), with fee, **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account Number 05-0225. A duplicate copy of this Certification is enclosed.

III. ☐ This Statement is being filed under §1.97(c), with a certification under, §1.97(e) **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. The undersigned hereby states that (check one):

☐ each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

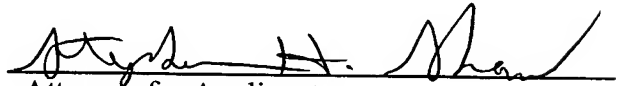
☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

IV. ☐ This Statement is being filed under §1.97(d), with fee and certification under §1.97(e), on or after the mailing date of either a final action, a notice of allowance (but prior to payment of the issue fee) or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account No. 05-0225. A duplicate copy of this Certification is enclosed. The undersigned hereby states that (check one):

☐ each item of information in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,

  
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Enclosures

<b>FORM PTO-1449</b> US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  If AFTER the later date of the first Office Action or 3 months from filing, use only with Rule 97(E) Certificate or Fee  <b>LIST OF ART CITED BY APPLICANT</b> <i>(Use several sheets if necessary)</i>	Atty. Docket No. <b>86741SHS</b> Customer No. 01333	Serial No.
	Applicant: <b>Ronald S. Cok, et al</b>	
	Filing Date	Group

## U.S. PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	10/154,372		Keith B. Kahen et al.			05-23-2002
	10/184,358		Andrew D. Arnold et al.			06-27-2002
	10/395,484		John P. Spoonhower, et al.			03-24-2003
	10/445,980		Ronald S. Cok et al.			05-27-2003
	10/602,143		Ronald S. Cok et al.			06-24-2003
	2001/0036212A1	11-01-2001	Kopp et al.			03-20-2001
	2002/0085143	07-04-2002	Kim et al.			06-27-2001
	2002/0106160A1	08-08-2002	Cox et al.			04-12-2002
	6,404,789	06-11-2002	Kopp et al.			12-21-1999
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## FOREIGN PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES   NO
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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	Axel Scherer et al., "Photonic Crystals For Confining, Guiding, And Emitting Light," IEEE Transactions on Nanotechnology, Vol. 1, No. 1, March 2002, pages 4-11
	M. Boroditsky et al., "Light Extraction From Optically Pumped Light-emitting Diode By Thin-slab Photonic Crystals," applied Physics Letters, Vol. 75, No. 8, August 23, 1999, pages 1036-1038
	"Vertical-Cavity Surface-Emitting Lasers," edited by Carl W. Wilmsen et al. Cambridge University Press, 1999
	Marko Loncar et al., "Low-Threshold Photonic Crystal Laser," Applied Physics Letters, Vol. 81, No. 15, October 7, 2002, pages 2680-2682
	Qinghai Song et al., "Narrow-Band Polarized Light Emission From Organic Microcavity Fabricated By Sol-Gel Technique," Applied Physics Letters, Vol. 82, No. 18, May 5, 2003, pages 2939-2941
	S. Goeman et al., "First Demonstration Of Highly Reflective And Highly Polarization Selective Diffraction Gratings (GIRO-Gratings) For Long-Wavelength VCSEL's" IEEE Photonics Technology Letters, Vol. 10, No. 9, September 1998, pages 1205-1207
	Dawn K. Gifford et al., "Extraordinary Transmission Of Organic Photoluminescence Through An Otherwise Opaque Metal Layer Via Surface Plasmon Cross Coupling," Applied Physics Letters, Vol. 80, No. 20, May 20, 2002, pages 3679-3681
	Dawn K. Gifford et al., "Emission Through One Of Two Metal Electrodes Of An Organic Light-Emitting Diode Via Surface-Plasmon Cross Coupling," Applied Physics Letters, Vol. 81, No. 23, December 2, 2002, pages 4315-4317
	Michael F. Weber, et al. "Giant Birefringent Optics In Multilayer Polymer Mirrors," SCIENCE, Vol. 287, March 31, 2000, pages 2451-2456

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	